	Application No.	Applicant(s)
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	10/600,139	FAN, ZHIGANG
Notice of Allowability	Examiner	Art Unit
	Seyed Azarian	2624
The MAILING DATE of this communication apperatus All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commits IGHTS. This application is	in this application. If not included unication will be mailed in due course. THIS
1. This communication is responsive to 6/20/2003.		
2. The allowed claim(s) is/are <u>1-12</u> .		
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)	5 	Control And State
1. Notice of References Cited (PTO-892)	<u> </u>	nformal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	o. ☐ Interview S Paper No	Summary (PTO-413), ./Mail Date
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 6/20/2003	7. 🗌 Examiner's	s Amendment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allowance
of Biological Material	9. 🗌 Other	_·
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Drawings

1. The drawings filed on 6/20/2003 are accepted by the Examiner.

REASONS FOR ALLOWANCE

Claims 1-12 are allowed.

2. The following is an examiner's statement of reasons for allowance.

This invention relates generally to embedding information in images using two-layer conjugate screening.

Claim 1 representative of claims 6 and 9, the closest prior art of record (Wang and Yen) do not disclose or suggest, among other things "generating a second user image using the first halftone screen whereby upon placing the first and second user images in a superposed relationship to allow viewing of both user images together, a positive correlation occurs between the two user images within the regions in which the first halftone screen is used the first user image, and a negative correlation occurs between the two user images within the regions in which the second halftone screen is used in the first user image, so that the authentication image becomes visible in contrast between the positive correlation of the corresponding regions and the negative correlation of the remaining regions enabling authentication of the authenticable document, and a negative correlation occurs between the two halftone screens in the first and second user images everywhere within the region in which the second halftone screen is a conjugate of the corresponding region of the first halftone screen, and where a positive correlation occurs where the two screens are identical, so that the authentication image becomes visible in contrast between the positive correlation of the corresponding regions and the

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negative correlation of the remaining regions enabling authentication of the authenticable

document.

These key features in combination with the other features of the claimed invention are

neither taught nor suggested by (Wang and Yen) prior art of record.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Contact Information

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Seyed Azarian whose telephone number is (571) 272-

7443. The examiner can normally be reached on Monday through Thursday from 6:00

a.m. to 7:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Bella, can be reached at (571) 272-7778. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application information Retrieval (PAIR) system. Status information for published

application may be obtained from either Private PAIR or Public PAIR.

Status information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Seyed Azarian

Patent Examiner

Group Art Unit 2624

October 18, 2006

Marthew C. Bella

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600